

Desmopan® DP 85085A DPS 055

Thermoplastic Polyurethane Elastomer

Covestro - PUR

Message:

injection molding grade; no yellowing under the action of UV light; improved microbial resistance; good low-temperature flexibility; Improved hydrolysis resistance; Application; automotive interior applications

General Information			
Features	Good UV Resistance		
	Hydrolysis Resistant		
	Low Temperature Flexibility		
	Microbe Resistant		
Uses	Automotive Interior Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 23°C)	85		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹			DIN 53504
Break, 23°C	31.3	MPa	
10% Strain, 23°C	2.40	MPa	
50% Strain, 23°C	5.10	MPa	
100% Strain, 23°C	6.40	MPa	
300% Strain, 23°C	10.7	MPa	
Tensile Strain ² (Break, 23°C)	820	%	DIN 53504
Abrasion Resistance (23°C)	28.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	207	MPa	
20°C	86.0	MPa	
60°C	55.0	MPa	
Impact Resilience (23°C)	63	%	ISO 4662
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³ (23°C)	75	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	18	%	
70°C, 24 hr	42	%	
Injection	Nominal Value	Unit	

Drying Temperature	< 80.0	°C
Processing (Melt) Temp	180 to 210	°C
Mold Temperature	20.0 to 40.0	°C
NOTE		
1.	200 mm/min	
2.	200 mm/min	
3.	500 mm/min	

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